PROCEEDINGS OF THE PREBID MEETING HELD ON 25.10.2024 AT 3.00 PM IN OFFICE OF CHIEF ENGINEER & CHIEF GENERAL MANAGER (Tech) BSWML FOR THE BIDS INVITED THROUGH NOTIFICATION NO: DGM-2/BSWML/TEND/07/2024-25 DATED: 15.10.2024.

OFFICER'S PRESENT:-

1	Deputy General Manager-2 BSWML		Sri. Madhu R
2	Technical Assistant to CE & CGM (Tech) & AGM		Smt. Chitra J
3	Assistant Manager		Sri Manoharan K.

AGENCIES PRESENT:

1	Representative From M/s Specon Systems Pvt Ltd.
2	Representative From M/s MSGP Infra Pvt Ltd.
3	Representative From M/s Zero Discharge Systems Pvt Ltd.
4	Representative From M/s Parishudh Ventures.

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Deputy General Manager-2, BSWML welcomed all the officials and the representatives of the agencies/ firms for below works for which pre- Bid meeting was called. Representatives of various companies as above were present in the said pre bid meeting.

The queries/clarifications sought by the agencies with regard to bids invited, were received in writing / e-mail & through KPP portal. The clarifications are issued according to the tenders invited as under: -

Subject -1: Turnkey Lump Sum Fixed Price No Variation Tender based on Tenderer's own Design for the work of "Supply, Installation, Commissioning and Construction of Leachate Treatment Plant of 20 KLD Capacity at MSW Processing Plant of BBMP (As per directions of the NGT Committee. (Call-2)

Sl. No	Tender Doc Ref	Query Raised	Clarifications/Amendments issued
	1. M/s Specon Systems Pvt Ltd		
1	3. Qualification of the Tenderer Clause 3.2.c Similar nature of the work means: supply, installation and operation of any **LTP/ETP/ CETP/STP** or any equivalent nature of treatment plant and continuously maintaining the same plant atleast three months during last five years and plant must be running/ working condition till submission of the bid.	It is understood that, similar nature of work shall apply to all clauses under 3.2	3. Qualification of the tender Clause 3.2 to be read as 3.2 to qualify the award of this contract, the bidder / consortium should meet the following criteria's set in clause 3.2 (a), (b) & (c) for the last five financial years i.e., 2019-20 to 2023-24. a) The Bidder / Consortium member shall have successfully achieved in at least any two Financial Years during last 5 financial years for a minimum Financial Turnover of not less than of **Rs.1650.00 Lakhs.** (2 times the estimated cost) Further, the Financial Turnover of the Previous Years shall be given a Weightage of 10% per year to bring them to the Price Level of

			2023 - 2024 b) The bidder / consortium as a prime contractor shall have **satisfactorily completed (at least 90% of the contract value) similar nature** of works with the proposed technology in **supply, installation and Operation of any LTP / ETP / CETP and have maintained the same for minimum three months** for an amount of Rs. 413.00 Lakhs as follows: 1. Single work of 50% of the amount put to tender - Rs. 413.00 Lakhs. **Or** 2. Two works of each of 25% of the amount put to tender – 2 works of each Rs. 207.00 lakhs. **Or** 3. Three works of each of 15% - 3 works of each Rs. 124.00 lakhs. Any one member of the consortium or the combined members of the consortium shall meet these criteria - The Bidder /

			Consortium member shall have Satisfactorily completed for the any of the above said values of the works of similar nature of works for any Government Agency /PSU/Semi Government/ Urban Local Bodies/ Service provider to Govt. in India in the last Five Financial Years (2019-20 to 2023-24). c) The Bidder / Consortium shall have executed in any one year of last five years period, the following **specific nature** of Work: "Supply, Installation, Commissioning of **minimum of 1 Number of Leachate treatment plants of at least 50% of the estimated quantity put to tender and have operated and maintained the plant for a minimum of 3 months**" for any Government Agency /PSU/Semi Government/ Urban Local Bodies /Service provider to Govt, in India in the last Five Financial Years (2019-20 to 2023-24).

			In support of this the bidder (consortium) shall furnish – 1. Certificate from the statutory auditor/ CA clearly specifying the average annual turnover for the specified years. The bid must be accompanied by the audited annual reports of the bidder (of each member in case of a consortium) for the last three financial years, preceding the year in which the bid is made. 2. Work order/ purchase order/ LOI/ LOA and Work Completion Certificate/ Successful commissioning certificate issued by the competent authority not below the rank of an Executive Engineer for equivalent.
2	2.0 Scope of Work Pg. No. 86 **Brief Description** B. The Contractor will have to	Please provide the details of pipe line length and pumping machinery for Raw leachate up to LTP and disposal point pipe length for treated leachate.	The leachate treatment plant is proposed to be setup within 500 m radius from the Leachate collection tank at the processing plant. The bidder has to assess the required pumping machinery for 20 KLD Capacity. The disposal of the permeable

		Please provide the details and quantities of site development work required.	treated leachate varies with the technology and the method. Hence, the bidder has to assess the length of the pipe line for disposal. However, the storm water drain lies in the 1 KM radius from the Leachate treatment plant.
3	All statutory Charges	All statutory Charges such as BESCOM deposits, KSPCB CFE/CFO charges shall be borne by employer. Please confirm.	All statutory Charges such as BESCOM deposits, KSPCB CFE/CFO charges shall be borne by the bidder. The deposit shall be reimbursed on production of actual receipts.
4	Treated leachate	Please provide the treated leachate characteristics required.	The Treated leachate shall conform to the standards specified as per the SWM Rules 2016 and applicable norms of KSPCB.
5		Please provide the project location other site details in order to visit the site and assess.	The project location is Lingadehranehalli Waste Processing Plant, Banasahnkari 6th phase.
6	Bid submission date	We request you to extend the bid submission date 15 days from the date of pre bid replies.	Corrigendum has been issued with respect to last date for submission of tender. Last date for submission in KPP Portal is extended up to 15-11-2024 on or before 16:00 hours and First Folder containing the technical bid will be opened through e-portal only on 16-11-2024 after 16:30 hours.

7	Project duration	As the treatment equipment's are customized based on project design and approvals, manufacturing lead time shall be around 4 months from the date of manufacturing Clarence. We request you to provide 12 months project duration instead of 7 months for project completion.	Period of completion of the project shall be 7 months from the date of issue of consent to establish from KSPCB.
8		Detailed Design Engineering can be carried out only post award of contract and the process design may be altered to suit site requirements post award of contract. Please confirm	Agreed
	2. M/s MSGP Infra Pvt Ltd.		
9	INVITATION FOR TENDERS (IFT) 4. Other details can be seen in the tender documents Page No 4 Name of the work: Turnkey Lump Sum Fixed Price No Variation Tender based on Tenderer's own	In the previous tender, the scope of work included Operation and Maintenance (O&M). However, it has been excluded this time. Kindly provide clarification on this change.	Operation and Maintenance (O&M) is not in the scope of present tender. However, the successful bidder has to trail run the plant for a period of 3 months.

	Design for the work of "Supply, Installation, Commissioning and Construction of Leachate Treatment Plant of 20 KLD Capacity at MSW Processing Plant of BBMP (As per directions of the NGT Committee)''	We also request that the O&M for a period of 5 years be included in the current tender.	
10	INVITATION FOR TENDERS (IFT) Page No 4 4. Other details can be seen in the tender documents Period of Completion: 7 Months	In the previous tender, the completion period was specified as 9 months. Kindly clarify if the 7-month timeline includes the monsoon season, as the weather conditions in Bengaluru can be unpredictable. We request a minimum completion period of 12 months, as manufacturing the equipment and constructing the storage tanks will require more than 6 to 8 months.	Reply at Sl. No. 7 Holds good.
11	Technical Documents along with necessary information/ documents must be uploaded to the e-procurement portal https://eproc.karnataka.gov.in as per tender document on or before 16:00 hours on 07-11-2024 and First Folder	It is advised to visit the site before submitting the tender to fully understand the site conditions and avoid any potential misunderstandings. The design of the	Reply at Sl. No. 6 Holds good.

	containing the technical bid will be opened through e-portal only on 08-11-2024 after 16:30 hours at the stipulated venue, in the presence of the tenderers or their authorized representative who wish to attend. If the office happens to be closed on the date of opening of the tenders as specified, the tenders will be opened on the next working day at the same time and venue. Page no. 4.	Leachate Treatment Plant (LTP) will be under the bidders scope, which will require additional time for preparation, taking into account the site conditions and scope of works. Therefore, we request an extension of at least 20 days or more for the tender submission deadline.	
12	Page No. 11 A. General 3. Qualification of the Tenderer:- 3.2 To qualify for award of this contract, the Bidder/ Consortium should be have been in business for the last five financial years i.e. 2019-20 to 2023-24. a) The bidder/ consortium member shall have successfully achieved in at least any two financial years a minimum financial turn over of not less than of Rs. 1650.00 lakhs. Further, the financial turnover of the previous years shall be given a weightage of 10% per year to bring them to the price level of 2023-24. Page no. 11	Please clarify whether the minimum financial turnover of Rs. 1650.00 lakhs is required for an individual year or for two years combined. Our understanding is that the bidder must have a minimum turnover of Rs. 1650.00 lakhs in any single year from 2022-23 or 2023-24. If the requirement is for an average financial turnover of Rs. 1650.00 lakhs over the last two years, we	Reply at Sl. No. 1 Holds good.

		request you to consider reducing the financial turnover threshold. Given that the number of companies executing Leachate Treatment Plants in India, particularly waste management facilities, is limited and MSME companies involved in supplying and installing LTPs are few, we suggest lowering the cap to Rs. 1000.00-1200.00 lakhs. This will allow more competent bidders to participate in the tender.	
13	**Page No. 11** **B. General** **3. Qualification of the tenderer:-** 3.2 to Qualify for award of this contract, the bidder / consortium should have been in business for last 5 financial years i.e., 2019-20 to 2023-24. b. the value of the similar nature of work supply, installation, and operation of any LTP / ETP / CETP/ STP and maintaining the	To encourage competent bidders to participate in the tender, we request consideration of the following criteria based on the previous tender's scope of work, which included Operation and maintenance (O&M) for Rs. 415.00 Lakhs: 1. A single	Reply at Sl. No. 1 Holds good.

	same for minimum 3 months as follows 1. Single work of 80% of the amount put to tender or 2 works of each 50% of the amount put to tender or 3 works of each 40% of the amount put to tender. Any one member of the consortium or the combined members of the consortium shall meet these criteria – the bidder / consortium member shall have satisfactorily completed for the any of the above said values of works for any Government agency / PSU / Semi government / Urban Local Bodies / service provider to Govt., in India in the last five financial years (2019-20 to 2023-24)	completed work valued at 50% of the amount put to tender, or 2. Two completed works, each valued at 40% of the amount put to tender, or 3. Three completed works, each valued at 30% of the amount put to tender.	
	3. M/s Zero Discharge Systems Pvt Ltd.		
14	It is observed that there are significant changes/ amendments made in the RFP in Call-2 in consideration with Call-1 for the same work. Few conditions/ clauses have been deleted/ modified/added etc., to name a few: a. The operation & Maintenance for a period of 5 years (extendable to 2 years)	It is requested to retain the RFP as per CALL-1, as making changes/ amendments/ additions / deletions etc., is in clear violation of the KTPP Act.	The RFP of Call-2 is in the same lines as call-1 except few corrections / additions / amendments except the O&M scope is removed. To invite the larger no. of participation certain conditions has been relaxed.

	has been deleted. b. The EMD has been revised from 1% of the Amount put to tender to 1.5 c. The period of completion is reduced from 9 months to 7 months d. The Indemnity bond for technology has been added e. The similar nature of work is changed to ETP/CETP/STP f. The specific nature of work has been reduced to 30% of the estimated quantity. g. In every bill an amount equivalent to 5% of payable amount will be deducted towards security deposit has been added h. Payment schedule has been introduced i. Supply of Minimum quantity of Leachate for treatment has been deleted.		
15		We request to clarify if the L1 Bidder is considering only the CAPEX amount	The lowest rates quoted by the bidders in the tender for CAPEX will only be considered for the evaluation of the L1 bidder. The OPEX amount is taken to

		quoted in the tender, or if the OPEX amount will also be taken into account? Since the tender is specifically for CAPEX, your clarification on this matter would be helpful for our bidding process.	understand about the expenditure incurred for the Operation and Maintenance of the plant and for the technical review.
16		We request to clarify that in case the parameters specified in the tender document varies from the actual parameters of the leachate to be treated, will we be compensated for treating the leachate with higher parameters or kindly specify the maximum limit or threshold limit the system has to be designed.	The characteristics of Leachate Varies from time to time. The characteristics range is expected to be varied as below. pH: 6.52 – 7.5 Biological Oxygen Demand-1000 – 30000 mg/l Chemical Oxygen Demand-848 - 40000 mg/ L Total Dissolved Solids-12800-30000 mg/ L Total Suspended Solids-180-1000 mg/ L However, the bidders are advised to make their analysis and study the report/characteristics of Leachate before bidding. The successful bidder shall submit periodic test reports of the leachate samples from NABL accredited labs / KSPCB during the trial run period of 3 months and in case of the leachate parameters exceed beyond 25% of the specified parameters the bidders will be paid at the agreed rates.
17	Discharge of treated water	Request to clarify	During the trial period bidders are

		who is responsible for the discharge or reuse of treated water? Also provide the distance from the site to water body and more for discharge/ reuse of treated water.	responsible for discharge of treated water. The bidder shall discharge the treated water to nearest water bodies/ SWD's within the radius of approximately 1000m from the proposed plant or reuse for requisite purpose within permissible limits as stipulated by KSPCB.
18	Water Connection	The water connection until the site should be in BSWML scope or request to refund the deposit paid to the water board/ authority in the name of BSWML. Also provide the distance between the leachate plant and the water source as this is required for cost estimation.	Availability of Water: Bidder has to take water Connection form Nearest point. Nearest Point is approximately in the radius of 1000 m distance. The deposit to water board/authority will be reimbursed by BSWML on production of actual receipts.
19	Electricity	The electricity connection along with the required transformer, metering device, LT Kiosk etc., site should be in BSWML scope or request to refund the deposit paid to the electricity	Electricity: Bidder has to pay the monthly electricity bill at his own cost. The deposit towards Electricity will be reimbursed by BSWML on production of actual receipts

		board/ authority in the name of BSWML. Also provide the distance between the leachate plant and the source from where electricity is to be drawn as this is required for cost estimation.	
20	Time for completion	The work will commence after obtaining the CTE from PCB, hence request to amend the time for completion as 9 months (excluding monsoon) from the date of start of ork after obtaining the CTE from PCB.	Reply at Sl. No. 7 holds good.
21	Experience	Request to amend the qualification criteria instead of similar nature of the work in supply, installation, commissioning of minimum of 1 number of LTP of atleast 30% of the estimated quantity put to tender to similar nature of the	Reply at Sl. No. 1 Holds good.

		work in supply, installation, commissioning of minimum of 1 number of LTP of atleast 80% of the estimated quantity put to tender.	
22	Experience	Request to amend the qualification criteria instead of "supply, installation and operation of any LTP / ETP/ CETP/ STP" to "similar nature of works with the proposed Technology and have executed the work of supply, installation and operation of any LTP".	Reply at Sl. No. 1 Holds good.
23	Operation and Maintenance	Kindly clarify whether O&M is to be carried out by the contractor, if yes then specify the duration of O&M contract.	Operation and Maintenance is not in the scope of the tender. But the bidder has to successfully trail run the plant for 3 months and hand over the plant to the BSWML with all details in good working condition.
24	Estimate/ BOQ	Request to provide copy of estimate along with BOQ.	Since the tender is Turn Key, Lump Sum, Fixed price, No Variation Tender based on Tenderer's Own Design, the bidder has to assess and quote

			accordingly.
25	Advance Payment	Request to provide mobilization advance of 25% of the contract value as the major component of work is procurement of electro mechanical equipment's.	Page No 72 SECTION 5: Conditions of Contract 47. Advance Payments Clause No: i **to be read as** The Employer **shall make 15% of the contract value** mobilization as advance Payment to the Contractor of the Amounts stated in the Contract Data.
	4. M/s Parishudh Ventures		
26	Page No 8 A. General 1. Scope of tender Clause No 1.2 BBMP will provide land of minimum 1 Acre or as per the requirement for setting up of 20 KLD Leachate Treatment Plant based on the selected technology through this RFP, the treated Leachate shall meet the KSPCB and the same shall be zero liquid discharge (ZLD) Mechanism.	Kindly provide the site information such as location with Geo Coordinates, extent of area available for setting up the plant including Survey sketch or layout plan along with Geotechnical Investigation reports as it is not available in the document uploaded, this helps in preparing the estimate for civil works	Reply at Sl. No. 5 holds good.
27	Page No 8 A. General 1. Scope of tender Clause No 1.4	The reject generation is solely dependent on the characteristics of	The bidder has to design the Leachate Treatment Plant with Zero Liquid Discharge (ZLD). However, if the Characteristics of the inflow Leachate varies

	The leachate rejects shall not be exceeded by 20% of the total inflow leachate quantity before COD and after COD.	inflow Leachate. Request to amend it to "The leachate rejects shall be minimum and shall not exceed 30% of the total inflow leachate quantity before COD and after COD for the Leachate parameters as specified in the RFP. In case of variation in the parameters then the rejects generation shall be accordingly to the inflow.	beyond the specified parameters as stated above, then the overall rejects shall not exceed 30% of the total input.
28	Page No 8 A. General 1. Scope of tender Clause No 1.6 Electricity & Connections: The Water Power & Water Supply for the Plant shall be arranged by successful bidder at its own cost.	Request you to kindly modify this clause to "The Electrical Connection up to site will be arranged by BSWML at its own cost. The usage cost has to be borne by the contractor". As the plant is the asset of BSWML and all the deposits to the concerned dept. will be made in the name of	Reply at Sl. NO. 18 & 19 holds good.

		BSWML. Kindly clarify the backup power supply arrangement is it limited to installation and commissioning?	
29	Page No 9 A. General 1. Scope of tender Clause No 1.7 The indemnity bond for the technology has to be submitted by the bidder. The format for the indemnity bond shall be submitted by the bidder as per the format given in Appendix – 1.	Request to kindly delete this clause as this contrary to the clause 1.4, 1.8, 29, 37.3, 49 & 55. The successful bidder is required to submit the design & drawings for approval before commencement of work and also it is stated that the same will be reviewed by Independent technical committee and KSPCB. Further the plant has to be operated for a period of 3 months on trail basis and the quality check shall be conducted on a weekly basis to verify the effluent quality. Since so many measures have been	Tender condition prevails.

		taken it is inappropriate to submit indemnity bond.	
30	Page No 11 A. General 3.Qualification of tender Clause No 3.2 b The value of the similar nature of the work in supply, installation and Operation of any LTP/ETP/CETP/STP and maintaining the same for minimum three months.	The Leachate parameters dynamic when compared are to Sewage, Water, Effluent etc., the design, treatment process is different from that of STP, ETP etc., hence request you to kindly modify the clause to "The value of the similar nature of the work in supply, installation and Operation of any LTP and maintaining the same for minimum three months for similar parameters of leachate as stated in RFP".	Reply at Sl. No. 1 holds good.
31	Page No 11 A. General 3.Qualification of tender Clause No 3.2 c "Supply, Installation, Commissioning of minimum of 1 Number of Leachate treatment plants of atleast 30% of the estimated	As per KTPP Act for works more than 100 Lakhs, the similar nature of work should be 80% of the estimated quantity hence request to kindly modify the	Reply at Sl. No. 1 holds good.

	quantity put to tender and have operated and maintained the plant for a minimum of 3 months"	same as per KTPP Act.	
32	Page No 11 A. General 3.Qualification of tender Clause No 3.2 c Similar nature of the work means: supply, installation and operation of any LTP/ETP/ CETP/STP or any equivalent nature of treatment plant and continuously maintaining the same plant atleast three months during last five years and plant must be running/ working condition till submission of the bid.	Request to Kindly define equivalent nature of treatment plant and delete "plant must be running/ working condition till submission of the bid" as this clause is contrary to the above condition. This restricts the bidders who have completed the work in the previous month/year etc.,	Reply at Sl. No. 1 holds good.
33	Page No 13 A. General 3.Qualification of tender Clause No 3.10 The Applicant shall own, or have assured access (through hire, lease, purchase agreement, other commercial means, or approved subcontracting) to key items of equipment, in full working order, and must demonstrate that, based on known commitments, they will be available for timely use in the proposed contract.	Request to kindly delete this clause as this is contrary to 3.3a	Page No 13 A. General 3. Qualification of tender Clause No 3.10 is deleted.

	The Applicant may also list alternative types of equipment that it would propose for use on the contract, together with an explanation of the proposal.		
34	Page No 49 SECTION 5: Conditions of Contract D. Cost Control Clause No: 37.3 In every bill an amount equivalent to 5% of payable amount shall be deducted towards Security Deposit. This amount shall be released within 30 days of the Commercial Operation Date.	Request to kindly delete this clause. As the successful bidder will submit a performance Security of 5% of the contract value before signing of the contract. Further this cost will be invariably added in the project cost thereby escalating the project cost.	Page No 49 SECTION 5: Conditions of Contract D. Cost Control Clause No: 37.3 deleted.
35	Page No 62 SECTION 5: Conditions of Contract F. Special Conditions of Contract Clause No: 15.4 Supply of Minimum Quantity of Leachate for Treatment- Deleted	Request to kindly retain this clause as the bidder is required to deploy the required manpower, and pay the electricity charges etc., or specify how the bidder will be compensated in case of non- supply of leachate as stipulated in the	Tender conditions prevails.

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<tr><td></td><td></td><td>tender.</td><td></td></tr>
<tr><td>36</td><td>Page No 72 SECTION 5: Conditions of Contract 47. Advance Payments Clause No: i
The Employer shall make 5% of the contract value mobilization as advance Payment to the Contractor of the Amounts stated in the Contract Data.</td><td>Request to kindly provide mobilization advance of 15% of the contract value as the major cost is towards the equipment's and machinery</td><td>Reply at Sl. No. 25 Holds good.</td></tr>
<tr><td>37</td><td>Page No 73 SECTION 5: Conditions of Contract 49. Payment before Commercial Operation Date during the trial run: Clause No: 49 Payment criteria.</td><td>Request to kindly elaborate the same.</td><td>Page No 73 SECTION 5: Conditions of Contract 49 to be read as
<table><tr><th>S. No</th><th>Payment criteria</th></tr><tr><td>1</td><td>The treated Leachate adhere to the parameters of KSPCB with output efficiency 70 then 80% of the eligible payment shall be paid.</td></tr><tr><td>2</td><td>The treated Leachate adhere to the parameters of KSPCB with output efficiency 65% then 70% of the eligible payment shall be paid.</td></tr><tr><td>3</td><td>The treated Leachate adhere to the parameters of KSPCB with output efficiency 60% then 65% of the eligible payment shall be paid.</td></tr><tr><td>4</td><td>The treated Leachate adhere to the parameters of KSPCB with output efficiency is below 60% then no payment shall be paid.</td></tr></table></td></tr>
<tr><td>38</td><td>Page No 86 SECTION 7: Specifications
2.0 Scope of work Clause No: iv Discharge of Treated water to the water bodies and reuse for Greenery development at</td><td>Kindly specify the distance between the proposed LTP and water bodies, as this impacts the cost estimation.</td><td>Reply at Sl. No. 2 holds good.</td></tr>
</table>

	the project site.		
39	Page No: 4 Invitation for tenders (IFT) Period of months completion 7 Months	Kindly modify this clause to: Time for completion: 12months including monsoon season from the date of handing over of site and the date of obtaining consent to establish from KSPCB. We request you to kindly clarify the above quarries and provide a minimum of 15days time to submit the bid post issuance of Addendum/Corrigendum.	Reply at Sl. No. 7 holds good.

All the bidders are requested to participate in the bidding process and further the bidders are instructed to note the above clarifications/amendments issued and to kindly note that the **last date of submission is up to 15.11.2024 at 16:00 hours.**

Chief Engineer &
Chief General Manager (Tech),
BSWML

Copy Submitted to:

1. Deputy General Manager -2 BSWML for information and necessary action.
2. Assistant General Manager, BSWML for information and necessary action.
3. Office Copy.